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Attorney Docket No. 0553-0404

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:)
)
Osamu NAKAMURA)
)
Serial No.: 10/809,118)
)
Filed: March 25, 2004.)
)
Art Unit:)
)
For: Semiconductor Device And)
Manufacturing Method Thereof)

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September 23, 2004
(Date of Deposit)

Shannon Wallace

Name of applicant, assignee, or Registered Rep.

Shannon Wallace 9/23/04
Signature Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. As this application is being filed after June 30, 2003, pursuant to 37 CFR §1.491(b), copies of US patents and US patent application publications are not enclosed herewith. Copies of foreign patent documents and non-patent literature are enclosed herewith for the Examiner's consideration.

The family of JP 02-013928 cited herein includes:

EP349255

US 5,155,564

The family of JP 2003-080694 cited herein includes:

US-2003/0030689

US 6,715,871

The family of JP 04-151819 cited herein includes:

US 5,210,050
US-2002/0020839
US 6,448,577

The family of JP 2002-359374 cited herein includes:

EP 1263062
US-2002/0179901
US 6,635,508
US 2004/0075093

No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

Each of these references was cited in an international search report mailed on June 8, 2004 in PCT/JP2004/003715 which is based on the same priority Japanese application as this application.

A first office action, notice of allowance or issue fee notification has not been received in this case, so Applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

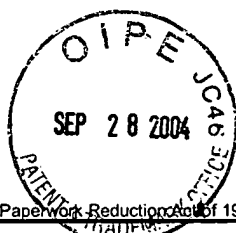
Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Mark J. Murphy', written over a horizontal line.

Mark J. Murphy

Registration No.: 34,225

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/809,118
Filing Date	March 25, 2004
First Named Inventor	Osamu Nakamura
Art Unit	
Examiner Name	
Attorney Docket Number	0553-0404

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,155,564	10-13-1992	Hishida, et al.	
		US- 5,210,050	05-11-1993	Yamazaki, et al.	
		US- 2002/0020839 A1	02-21-2002	Yamazaki, et al.	
		US- 6,448,577	09-10-2002	Yamazaki, et al.	
		US- 2002/0179901	12-05-2002	Arai, et al.	
		US- 2003/0030689 A1	02-13-2003	Hashimoto, et al.	
		US- 6,635,508	10-21-2003	Arai, et al.	
		US- 6,715,871	04-06-2004	Hashimoto, et al.	
		US- 2004/0075093 A1	04-22-2004	Arai, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP 0 349 255 B1	12-17-1997	Sharp Corp.		
		EP 1 263 062 A2	12-04-2002	SEL Co., Ltd.		
		JP 62-229957	10-08-1987	Hitachi Ltd.	w/ Eng Abstract	
		JP 01-284831	11-16-1989	Sharp Corp.	w/ Eng Abstract	
		JP 02-013928	01-18-1990	Sharp Corp.	w/ Eng Abstract	
		JP 03-003351	01-09-1991	Sony Corp.	w/ Eng Abstract	

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SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

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First Named Inventor	Osamu Nakamura
Art Unit	
Examiner Name	
Attorney Docket Number	0553-0404

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of

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	International Search Report (Application No. PCT/JP2004/003715; PCT7064), Dated June 8, 2004 (In Japanese).	
	2	Written Opinion (Application No. PCT/JP2004/003715; PCT7064), Dated June 8, 2004 (Partial Translation).	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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